

RECEIVED  
CENTRAL FAX CENTER

001/064

NOV 16 2005



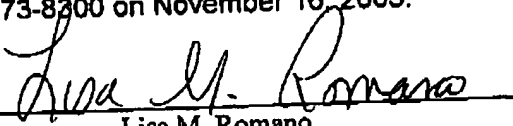
Vertex Pharmaceuticals Incorporated  
130 Waverly Street • Cambridge, MA 02139-4242  
Tel. 617.444.6100 • Fax 617.444.6483  
<http://www.vrtx.com>

**FAX TRANSMISSION**

To	USPTO Commissioner for Patents
Examiner	Kansay Habte
Fax Number	(571) 273-8300
From	Karen E. Brown
Date	November 16, 2005
Application No.	10/700,936
Attorney Docket No.	VPI/02-123US
	Supplemental IDS
Total Pages	60
Message or Comment	

**CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that this correspondence and any documents attached hereto, are being transmitted via facsimile to the United States Patent and Trademark Office, Facsimile Number (571) 273-8300 on November 16, 2005.

  
Lisa M. Romano

If any problems occur with this fax transmittal, please call (617) 444-6164 immediately.

FAX Number (617) 444-6483 Legal Department

**CONFIDENTIALITY NOTICE**

The information and the documents transmitted by this telecopy are privileged and contain confidential information intended only for the person(s) named above. Any other distribution, copying or disclosure is strictly prohibited. If you have received this telecopy in error, please notify us immediately by telephone and return the original to us without making a copy.

RECEIVED  
CENTRAL FAX CENTER

NOV 16 2005

Docket No.: VPI/02-123 US

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/700,936  
Confirmation No.: 5983  
Filing Date: November 4, 2003  
Examiner: Kahsay Habte  
Group Art Unit: 1624  
Applicants: Randy S. Bethiel et al.  
For: COMPOSITIONS USEFUL AS INHIBITORS OF JAK AND OTHER  
PROTEIN KINASES

November 16, 2005  
Cambridge, MassachusettsMail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450TRANSMITTAL LETTER FOR SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT

- (a) Pursuant to 37 C.F.R. §1.56, it is requested that the documents listed on the accompanying Form 1449/PTO be considered and made of record in the above-identified patent application.
- ☒ Copy(ies) of references Citation No(s). C1-C4 is attached
- ☐ Copy(ies) of references Citation No(s). \_\_\_\_\_ was/were filed in application U.S. Application No(s). \_\_\_\_\_ filed \_\_\_\_\_, from which this application claims priority under 35 U.S.C. § 120.).
- ☐ A copy of the International Search Report received in the corresponding PCT Application No. \_\_\_\_\_ is attached herewith.
- (b) ☐ No fee is believed due because:
- ☐ The Information Disclosure Statement is being filed within three (3) months of the filing date of the application.
- ☐ The Information Disclosure Statement is being concurrently filed with the above-identified application.
- ☐ The Information Disclosure Statement is being concurrently filed with a Request for Continued Examination (RCE).

APPLICANTS:  
U.S.S.N.:

Bethiel et al.  
10/700,936

- ☐ The Information Disclosure Statement is being filed prior to the mailing of a first Office Action on the merits.
- (c) ☒ The Information Disclosure Statement is being filed before the mailing date of any final action, notice of allowance or an action that otherwise closes prosecution; and
- ☐ Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement; or
- ☒ The Director is hereby authorized to charge \$180.00 to Deposit Account No. 50-0725.
- (d) ☐ The Information Disclosure Statement is being filed on or before the payment of the issue fee; and
- ☐ Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement; or
- ☐ No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement; and
- ☐ The Director is hereby authorized to charge \$180.00 to Deposit Account No. 50-0725.

APPLICANTS: Bethiel et al.  
U.S.S.N.: 10/700,936



The Director is hereby authorized to charge any additional fees that may be required for the Information Disclosure Statement, or credit any overpayment to Deposit Account No. 50-0725. A DUPLICATE COPY OF THIS LETTER IS ATTACHED.

Respectfully submitted,

*Karen E. Brown*

Karen E. Brown, Reg. No. 43,866

Attorney for Applicants

c/o Vertex Pharmaceuticals Incorporated  
130 Waverly Street  
Cambridge, Massachusetts 02139  
Tel: (617) 444-6168  
Fax: (617) 444-6483

RECEIVED  
CENTRAL FAX CENTER

NOV 16 2005

Docket No.: VPI/02-123 US

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/700,936  
Confirmation No.: 5983  
Filing Date: November 4, 2003  
Examiner: Kahsay Habte  
Group Art Unit: 1624  
Applicants: Randy S. Bethiel et al.  
For: COMPOSITIONS USEFUL AS INHIBITORS OF JAK AND OTHER  
PROTEIN KINASES

November 16, 2005  
Cambridge, MassachusettsMail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450TRANSMITTAL LETTER FOR SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT

- (a) Pursuant to 37 C.F.R. §1.56, it is requested that the documents listed on the accompanying Form 1449/PTO be considered and made of record in the above-identified patent application.
- ☒ Copy(ies) of references Citation No(s). C1-C4 is attached
- ☐ Copy(ies) of references Citation No(s). \_\_\_\_\_ was/were filed in application U.S. Application No(s). \_\_\_\_\_ filed \_\_\_\_\_, from which this application claims priority under 35 U.S.C. § 120.).
- ☐ A copy of the International Search Report received in the corresponding PCT Application No. \_\_\_\_\_ is attached herewith.
- (b) ☐ No fee is believed due because:
- ☐ The Information Disclosure Statement is being filed within three (3) months of the filing date of the application.
- ☐ The Information Disclosure Statement is being concurrently filed with the above-identified application.
- ☐ The Information Disclosure Statement is being concurrently filed with a Request for Continued Examination (RCE).


APPLICANTS: Bethiel et al.  
U.S.S.N.: 10/700,936

- ☐ The Information Disclosure Statement is being filed prior to the mailing of a first Office Action on the merits.
- (c) ☒ The Information Disclosure Statement is being filed before the mailing date of any final action, notice of allowance or an action that otherwise closes prosecution; and
- ☐ Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement; or
- ☒ The Director is hereby authorized to charge \$180.00 to Deposit Account No. 50-0725.
- (d) ☐ The Information Disclosure Statement is being filed on or before the payment of the issue fee; and
- ☐ Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement; or
- ☐ No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement; and
- ☐ The Director is hereby authorized to charge \$180.00 to Deposit Account No. 50-0725.

APPLICANTS: Bethiel et al.  
U.S.S.N.: 10/700,936

- ☒ The Director is hereby authorized to charge any additional fees that may be required for the Information Disclosure Statement, or credit any overpayment to Deposit Account No. 50-0725. A DUPLICATE COPY OF THIS LETTER IS ATTACHED.

Respectfully submitted,

  
Karen E. Brown, Reg. No. 43,866  
Attorney for Applicants  
c/o Vertex Pharmaceuticals Incorporated  
130 Waverly Street  
Cambridge, Massachusetts 02139  
Tel: (617) 444-6168  
Fax: (617) 444-6483

BEST AVAILABLE COPY

NOV 16 2005

Page 1 of 1

Modified Form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	Application Number	10/700,936
	Filing Date	November 4, 2003
	First Named Inventor	Randy S. Bethiel
	Group Art Unit	1624
	Examiner Name	Kahsay Habte
	Attorney Docket Number	VPI/02-123 US

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS					
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No

OTHER NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1	LS Steelman et al., "JAK/STAT, Raf/MEK/ERK, PI3K/Akt and BCR-ABL In Cell Cycle Progression And Leukemogenesis", Leukemia 18: 189-218 (2004)
	C2	Francois-Xavier Mahon, "JAK The Trigger", Oncogene 24: 7125-7126 (2005)
	C3	Stefan Faderl et al., "WP-1034, A Novel JAK-STAT Inhibitor, with Proapoptotic and Antileukemic Activity in Acute Myeloid Leukemia (AML)", Anticancer Research 25: 1841-1850 (2005)
	C4	Elisa A. Sudbeck et al., "Structure-based Design of Specific Inhibitors Of Janus Kinase 3 As Apoptosis-Inducing Antileukemic Agents", Clinical Cancer Research, 5: 1569-1582 (1999)

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, U.S.S.N. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature	Date Considered
-----------------------	--------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.